Performance Data Sheet

AVA2512ZXT

General Information

Model	AVA2512ZXT	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	7560	6210	4860	3510	2170	823	
	Watts	2020	1800	1570	1340	1110	879	641
	Amps	6.67	6.27	5.85	5.42	4.98	4.52	4.05
	Lb/h	141	119	96.4	73.8	50.8	27.5	3.78
-35	Btu/h	9380	7900	6430	4950	3480	2010	538
	Watts	2250	2050	1860	1660	1460	1260	1050
	Amps	7.17	6.81	6.45	6.07	5.68	5.28	4.86
	Lb/h	172	150	127	105	82.1	58.9	35.3
-30	Btu/h	11300	9740	8140	6540	4930	3330	1730
	Watts	2480	2320	2150	1990	1820	1640	1460
	Amps	7.65	7.35	7.04	6.72	6.38	6.04	5.67
	Lb/h	206	184	162	140	117	93.9	70.4
-25	Btu/h	13500	11700	9990	8250	6520	4790	3060
	Watts	2710	2580	2450	2310	2170	2020	1880
	Amps	8.12	7.88	7.63	7.37	7.09	6.80	6.49
	Lb/h	243	222	200	178	155	132	109
-20	Btu/h	15700	13800	12000	10100	8230	6370	4500
	Watts	2950	2850	2740	2630	2520	2410	2290
	Amps	8.60	8.42	8.23	8.02	7.80	7.57	7.32
	Lb/h	285	263	242	220	197	175	152
-15	Btu/h	18100	16100	14100	12100	10100	8060	6060
	Watts	3190	3120	3040	2960	2880	2790	2700
	Amps	9.09	8.97	8.84	8.69	8.54	8.37	8.18
	Lb/h	329	308	287	265	243	221	198
-10	Btu/h	20600	18400	16300	14100	12000	9860	7720
	Watts	3430	3380	3340	3280	3230	3170	3110
	Amps	9.60	9.54	9.47	9.39	9.30	9.19	9.07
	Lb/h	378	357	336	315	293	271	249
-5	Btu/h	23200	20900	18600	16300	14000	11800	9480
	Watts	3670	3650	3630	3610	3580	3550	3520
	Amps	10.1	10.1	10.1	10.1	10.1	10.1	10.0
	Lb/h	431	411	390	369	347	326	304

0	Btu/h	25900	23400	21000	18600	16200	13800	11300
	Watts	3900	3910	3920	3930	3930	3930	3920
	Amps	10.7	10.8	10.8	10.9	10.9	11.0	11.0
	Lb/h	488	468	448	427	406	385	363
5	Btu/h	28700	26100	23500	21000	18400	15800	13300
	Watts	4140	4170	4210	4240	4270	4300	4320
	Amps	11.3	11.5	11.6	11.7	11.8	11.9	12.0
	Lb/h	549	530	510	489	469	448	427
10	Btu/h	31600	28800	26100	23400	20700	18000	15300
	Watts	4370	4430	4500	4560	4610	4670	4720
	Amps	12.0	12.2	12.4	12.6	12.8	12.9	13.1
	Lb/h	615	596	576	556	536	516	495

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.527377E+04	3.791305E+03	1.002686E+01	6.468296E+02
C2	7.779792E+02	2.014979E+00	1.037969E-02	1.123622E+01
C3	-2.428510E+02	1.048798E+00	7.733125E-03	-2.005784E+00
C4	2.282534E+00	3.468488E-04	5.016206E-04	8.036358E-02
C5	-2.815937E+00	5.654036E-01	1.321995E-03	7.043876E-03
C6	6.474498E-03	1.109236E-02	3.116310E-05	8.373735E-04
C7	-1.026923E-02	-1.147927E-03	1.041696E-05	1.911628E-04
C8	-4.571479E-03	-6.111294E-04	4.205636E-06	7.235602E-05
C9	-2.799229E-04	-3.805524E-05	2.417308E-07	3.635969E-06
C10	-2.789025E-05	-8.540835E-05	-2.712954E-07	-7.094166E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature